



**US Army Corps
of Engineers®**



Grand Haven Harbor, and Grand River, MI

Harbor Features

- Located on the east shore of Lake Michigan, 108 miles northeast of Chicago, IL and 23 miles north of Holland, MI. The Grand River originates in Jackson County, MI and flows 260 miles west into Lake Michigan.
- Authorization: River and Harbor Acts of 23 Jun 1866, and subsequent acts.
- Deep draft commercial harbor.
- Project depths of 23 feet in the entrance; 18 to 21 feet in the river channel and turning basin; 8 feet in the upper Grand River channel.
- 147th leading U.S. port with just under 1.0M tons of material shipped or received in 2006.
- Ranked 38th in 2006 among the Great Lakes Harbors.
- Over 9,000 feet of structures including piers and revetments.
- Over 2.5 miles of maintained deep draft channel and 14.5 miles of shallow draft river channel.
- Outer channel dredged material is used for beach nourishment. Inner channel material is placed upland in a site that enables reuse.
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, Verplank Trucking, Meekoff Dock, Construction Aggregate Corporation, St. Marys Cement, and Grand Haven Power.

Project Needs

- Approximately 35,000 to 50,000 cubic yards of material must be dredged from the outer harbor annually. Approximately 25,000 to 35,000 cubic yards of material must be dredged from the inner channel on a 2 to 4 year cycle. The inner harbor was last dredged in 2006 and the outer harbor was last dredged in 2008.



- Navigation structures are primarily maintained by Government floating plant.
- The upland placement site requires periodic maintenance to enable continued recycling of dredged material.
- The South Pier has been damaged and is in need of repair.

Consequences of Not Maintaining the Project

- Significant loss of jobs both locally and regionally.
- Light loading; loss of between 1 and 2 feet of channel depth results in increased transportation costs of between \$174,000 and \$390,000 annually.

Transportation Importance

- Major regional receiving port on the Great Lakes.
- Commodities received include sand, gravel, cement, gypsum, and coal.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2008, 2009 and 2010
Grand Haven Harbor and Grand River, MI
Project Needs and President's Budget (\$1,000)**

Work Package	FY08 Need	FY08 Allocation	FY09 Need	FY09 President's Budget	FY10 Need	FY10 Budget*
Project Condition Surveys	196	196	198	198	200	
Fill Management Activities	125		130		135	
Maintenance Dredging Outer Harbor – Primary Work Package	450	411	474	474	600	
Maintenance Dredging Inner Harbor – Primary Work Package			640	640		
Maintenance Dredging – Backlog Work Package			255		505	
Sediment Budget Analysis – Section 111			130		150	
Repair to Damaged Section of South Pier - Contract			400		400	
Other Business Lines:						
Environmental Stewardship	10					
TOTALS	781	607	2,227	1,312	1,990	

*FY10 President's Budget will be available in February 2009.

Congressional Interests

- Representative Peter Hoekstra R-MI-2
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI